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(71) Applicant: **TOYO COMMUN EQUIP CO LTD**

(72) Inventor: **NISHIKAWA KAZUHIRO**

(74) Representative:

(54) POSITION MEASUREMENT FOR RADIOLOCATION MOBILE STATION

(57) Abstract:

PURPOSE: To achieve a higher accuracy even when the state of radio wave propagation is measured, by receiving a return radio wave from a radiolocation mobile station with a specified wireless base station from among distance measuring signals transmitted in a time series from a plurality of wireless base stations.

CONSTITUTION: To measure positions of radiolocation mobile

stations M, return radio waves 1i, 2i and 3i from the radiolocation mobile stations M for three ratio waves 10, 20 and 30 which are oscillated to the radiolocation mobile stations M from a plurality of wireless base stations 1, 2 and 3 are all received with any one (specified wireless base station) of the wireless base stations, for example, wireless base station 1 and then, distance measuring signals with the wireless base station 1 are collated in delay based on a transmission sequential control system and a reception sequential control system to calculate distances from the wireless base stations 1, 2 and 3. Measurement data at the wireless base stations 2 and 3 excluding the wireless base station 1 are collected to the wireless base station 1 through telephone circuits 1L, 2L, 3L and the like to perform an analysis based on three measurement data thereby enabling further upgrading of measuring accuracy.